

Customer No.: 31561
Application No.: 10/604,689
Docket No.: 10870-US-PA

REMARKS

This is a full and timely response to the outstanding Final Office Action mailed Feb. 22, 2006. Reconsideration and allowance of the application and presently pending claims 1-17 are respectfully requested.

Present Status of the Application

The Office Action rejected claims 1-7 under 35 U.S.C. 103(a) as being unpatentable over Dougherty et al., US Patent 6,076,734 in view of Sayuda et al., US 6,069,636. The Office Action also rejected claim 8-17 under 35 U.S.C. 103(a) as being unpatentable over Dougherty et al., US Patent 6,076,734 in view of Sayuda et al., US Patent 6,069,636, and further in view of Weibe et al., US Patent 6,689,966.

Discussion of Office Action Rejections

The Office Action rejected claims 1-7 under 35 U.S.C. 103(a) as being unpatentable over Dougherty et al., US Patent 6,076,734 in view of Sayuda et al., US 6,069,636.

In response to the rejection to claims 1-7 under 35 U.S.C. 103(a) as being unpatentable over Dougherty et al., US Patent 6,076,734 in view of Sayuda et al., US 6,069,636, Applicants hereby traverse the rejection and submit that claim 1-7 are in allowable form.

With respect to claim 1, as originally filed, recites: "A pixel array for a non-touch panel input device, wherein the pixel array at least comprises a plurality of first pixel structures with

Customer No.:31561
Application No.: 10/604,689
Docket No.: 10870-US-PA

each pixel structure at least comprising: a sub-pixel; and a first shadow pixel positioned on one side of the sub-pixel”.

Applicants submit that such a pixel array as set forth in claim 1 is neither taught, disclosed, nor suggested by Dougherty '734, Sayuda '636, or any of the other cited references, taken alone or in combination.

The Examiner alleges that Dougherty discloses a non-touch panel input device (350 in FIG. 10). However, as taught by Dougherty, item 350 is “a data linked book” and “[A] primary purpose of the data linked book 350 is to link a physical book with data such as video and audio streams available via an information network such as the Internet” (Column 11, lines 20-23). Applicants submit such a data linked book 350 is not a non-touch panel input device, because there does not exist any inputting operation and any panel in accordance with the data linked book 350. First, Dougherty teaches “the linked book 350 includes a physical book 352” and “the physical book 352 appears conventional to a viewer in that the book 352 flips open to the different pages” (Column 11, lines 26-32), thus the physical book 352 is not a panel (further evidence can be found in Column 4, lines 17-19). Second, as further taught by Dougherty, that “the data linked medium includes a physical medium having at least one hot spot encoded with linking data enabling the data linked physical medium to access remote data, a sensor operable to measure and decode the linking data to a remote computer system” and “[T]he remote computer system is responsive to the linking data to retrieve the remote data and present it to a user of the data linked physical medium” (Column 4, lines 27-34), Dougherty concerns only about retrieving the remote data rather than any inputting operation (Emphasis added).

Customer No.: 31561
Application No.: 10/604,689
Docket No.: 10870-US-PA

Further, Dougherty fails to teach, suggest or disclose any pixel structure as required by claim 1. Applicants note that the Examiner contends a hot spot in FIG. 7, as reading on the pixel structure (Page 3 of the instant Final Office Action). However, Applicants respectfully disagree. A pixel should be well understood by one of ordinary skill in the art as the smallest complete sample of an image. The hot spot in FIG. 7 of Dougherty is only an encoded marker specifically relating a remote information store elsewhere. Even contended as a pixel, there is no teaching or suggestion of any pixel array in Dougherty, since there is no clue showing that the hot spot(s) are distributed in form of an array.

The Examiner admits that Dougherty '734 does not expressly disclose "the pixel array at least comprises a plurality of first pixel structures with each pixel structure at least comprising: a sub-pixel; and a first shadow pixel positioned on one side of the sub-pixel."

The Examiner alleged that "FIG. 9 of Sayuda '636 contains subpixels in the first and third line with 'shadow pixels', in line two, on one side of the subpixels". Applicants respectfully disagree with the viewpoints hold by the Examiner on the subject matter. As shown in FIG. 9 (Column 7, lines 10-17), Sayuda '636 teaches "the pixel 45 is produced in a rightmost position in a cell 46 of the dot screen when the additional information is 1, and the pixel 45 is produced at the center of the cell 46 when the additional information data is 0. Thus the additional information can be added in the images by changing the position of the pixel 45 in the cell 46 by the additional information data without changing the density of the image and without being recognized." The pixel 45 and the cell 46 are not numbered in FIG. 9, and the corresponding numbered items can be found in FIG. 18. As indicated by the Examiner, the first and the third